## FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Opeartion is subjected to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

### FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful inerference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Caution:

To comply with the limits for an FCC Class B computing device, always use the shielded signal cord supplied with this unit.

The Federal Communications Commission warns that changes or modifications of the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**CE mark for Class B ITE (Following European standard EN55022/1998; EN61000-3-2/1995; EN61000-3-3/1995, EN55024/1998, EN60950/1992+A1+A2+A3+A4+A11)**

## Radio Frequency Interference Statement

### Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

## Canadian Doc Notice

### For Class B Computing Devices

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulation of the Canadian Department of Communications.

"Le présent appareil numérique n'èmet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada"

## Important Operating Instructions

Please read the following instructions carefully. This manual should be retained for future use.

1. To clean the LCD monitor screen, first, make sure the monitor is in the power off mode. Unplug the monitor from its power source before cleaning it. Do not spray liquid cleaners directly onto the unit. Without applying excessive pressure, clean the screen with a slightly dampened rag.
2. Do not place your LCD monitor near a window. Exposing the monitor to rain, water, moisture, or sunlight can severely damage it.
3. Do not place anything on top of the monitor-to-PC signal cord. Make sure the cord is placed in an area where it will not be stepped on.
4. Do not apply pressure to the LCD screen. Excessive pressure may cause permanent damage to the display.
5. Do not remove the cover or attempt to service this unit by yourself. You may void the warranty. Servicing of any nature should be performed only by an authorized technician.
6. Safe storage of the LCD monitor is in a range of minus 20 to plus 65 degrees Celsius. Storing your LCD monitor outside this range could result in permanent damage.
7. Immediately unplug your monitor and call an authorized technician when:
   - The power or monitor-to-PC signal cord is frayed or damaged.
   - Liquid has been spilled into the monitor, or it has been exposed to rain.
   - The monitor has been dropped or the case has been damaged.
8. Only with use of supplied adaptor, in case of loss or replacement contact the retailer or service center.
9. If you lost the power cord that we given, you must to purchase a same configuration/type of power cord (with ground-connection)
   - ❖ Japan： VCTF type, 3 wires or with ground-wire, T-mark approval is required.
   - ❖ U.S.：VW-1; 18AWG X 3C; SVT with national approval as UL and/or CSA approval/number(s)
   - ❖ Europe：VDE/ÖVE and/or KEMA approval; H05VV-F, 3G, 0.75mm$^2$, or equivalent.

   Above power cord should bear with the type and manufacturer name on.

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*CHAPTER 1*

# The LCD Monitor

## Unpacking

After you unpack your LCD monitor, make sure the following items are included in the box and in good condition:

**STANDARD ITEM**

- LCD monitor
- Monitor-to-PC analog signal cable (15-pin)
- Monitor-to-PC digital signal cable (24-pin) (optional)
- Power cord
- Quick Setup manual
- User's manual
- 1.5M Stereo Jack audio cable
- 2.0M USB cable (optional)

If you find that any of these items are missing or appear damaged, contact your dealer immediately. Do not throw away the packing material or shipping carton in case you need to ship or store the LCD monitor in the future.

# Identifying Components

## The LCD Monitor — Front View

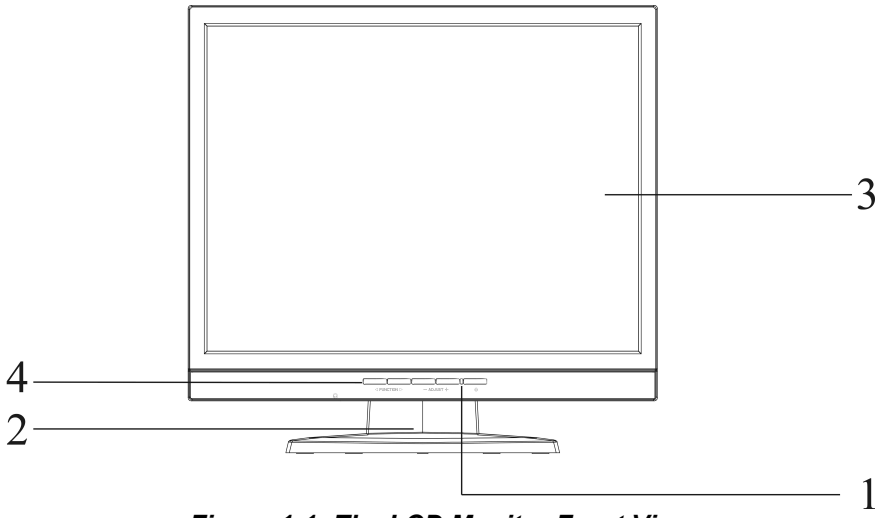



*Figure 1-1: The LCD Monitor Front View*

1. **Power-On Indicator**
   This LED indicator stays lit when the power is on and blinks when the LCD monitor is in power saving mode.
2. **Monitor Stand**
3. **LCD Screen**
4. **LCD Monitor Control Panel**

## The LCD Monitor — Rear View

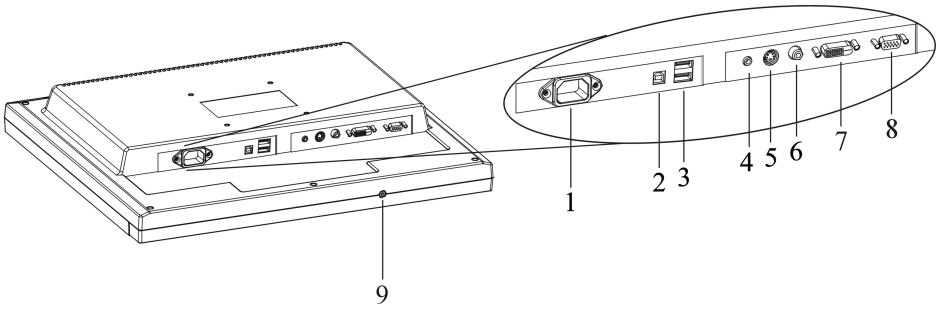



***Figure 1-2: LCD Monitor Rear View***

1. AC Power Inlet
2. Upstream USB Port (optional)
3. Downstream USB Ports (optional)
4. Audio Line-in
5. S-Video Connector
6. AV Connector
7. Digital VGA Cable Connector (optional)
8. VGA Cable Connector
9. Earphone Jack

## Adjusting the Viewing Angle

Your LCD Monitor is designed to allow you to adjust it to a comfortable viewing angle and height (Optional). Please See *Figure 1-3*.

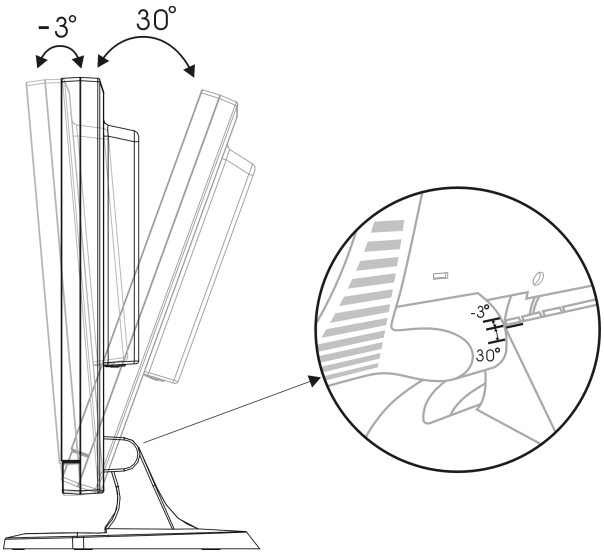



***Figure 1-3 A: Angle Settings***

## Power Management System

The LCD monitor complies with the VESA DPMS power management proposal.

When the LCD monitor is in power saving mode or detects an incorrect timing, the monitor screen will be blank and the power LED indicator starts blinking.

*CHAPTER 2*

# The Display Controls

## LCD Monitor Control Panel

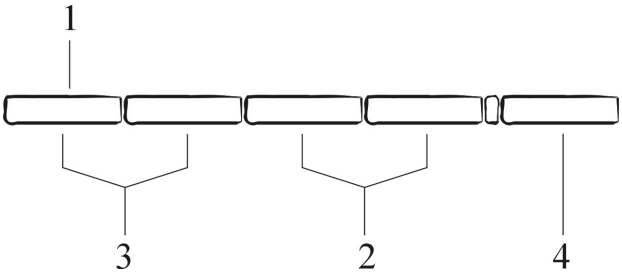



***Figure 2-1: The LCD Monitor Panel***

1. **OSD Menu Button**
   Press this button to pop up the OSD (On-Screen Display) menu. This button is also a Function Select button.
2. **Adjustment Control Buttons**
   These two buttons allow you to adjust the selected control functions in the OSD.
3. **Function Select Buttons**
   These two buttons allow you to select the control functions in the OSD. Press either button to scroll through the main menu and submenu items.
4. **Power Switch**
   Push the power switch to turn the monitor on and off. This switch is also a hot-key button to close the OSD menu while the OSD appears.

# Adjusting the Monitor's Display

## OSD Main Menu

To access the OSD main menu, press the OSD Menu button. Use the Function Select buttons to scroll between the OSD main menu options.

Pressing one of adjustment control buttons causes the following screen to appear:

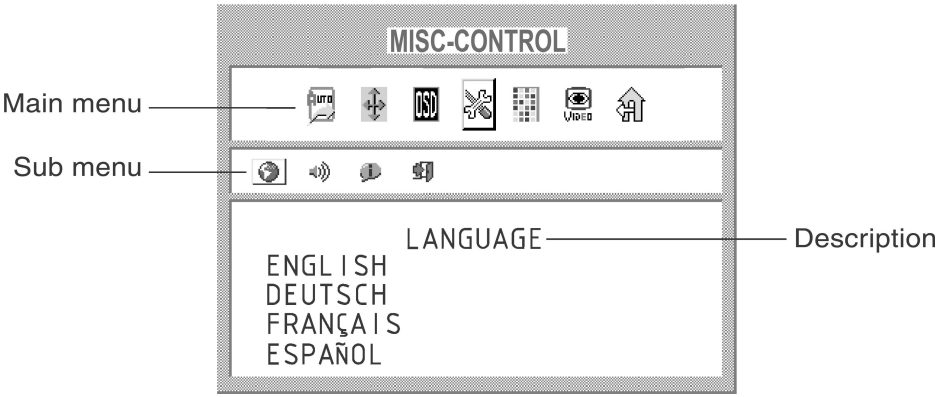



***Figure 2-2: The OSD Main Menu***

◆ **PC MODE** (15 pin VGA port):
When select to 〝PC Mode〞 and analog signal input.

**AUTO ADJUST:**

Press the Adjustment control button to let the monitor determine and select the setting that is most appropriate for your system requirements.

**MONITOR-CONTROL:**

Allow you to adjust the LCD monitor's display settings. Press the Adjustment control button to display the submenu. Use the Function Select button to select one of the following submenu options:

**H-POSITION:** To move the LCD monitor's display left or right on a horizontal plane.

**V- POSITION:** To move the LCD monitor's display up or down on a vertical plane.

**PHASE:** To adjust the focus and clarity of the display.

**CLOCK:** To adjust the display pixel alignment.

**GRAPHIC/TEXT:** Press the adjustment control button to switch between text and graphic display modes.

**PORT-SELECT:** To switch between analog and DVI port for PC signal input.

**RESET:** To reset all of the Monitor-Control submenu settings to the factory default.

**EXIT:** To exits the Monitor-Control submenu.

## OSD-CONTROL:

The OSD-Control menu lets you adjust the position of the OSD on the screen. Press the Adjustment control button to display the submenu.

**OSD-H-POSITION:** To change the position of the OSD on a horizontal plane.

**OSD-V-POSITION:** To change the position of the OSD on a vertical plane.

**OSD-TIMER:** The OSD menu display time can be set at 5, 10, 15, 20, 25 or 30 seconds.

**EXIT:** To exit the OSD-Control submenu.

## MISC-CONTROL:

The Misc-Control menu option lets you select the OSD display language, adjust the audio volume setting and view system information.

Press the Adjustment control button to display the submenu.

**LANGUAGE:** The supported languages include German, English, French, Spanish, Italian and Japanese.

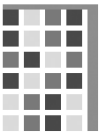
**AUDIO VOLUME:** To increase or decrease the volume of the LCD monitor's sound system.

**INFORMATION:** To indicate display mode timings and firmware version.

**EXIT:** To exit the Misc-Control submenu.

## GRAPHIC-CONTROL:

The Graphic-Control option lets you make adjustments that effect the contrast, brightness and color of the LCD monitor's display.



Press the Adjustment control button to display the submenu.

**CONTRAST:** To adjust the contrast level of the display screen.

**BRIGHTNESS:** To adjust the light level on the display screen.

**COLOR:** To select the LCD monitor's color display. The available options are cold, warm and User. Selecting the user option lets you make individual adjustments to the R, G and B items.

**COLOR R, G and B ADJUST:** To make individual adjustments to the Red, Blue, Green (RGB) gain for the color temperature.

**AUTO LEVEL:** To adjust automatically to perfect the white balance display.

**RESET:** To reset all of the Graphic-Control submenu settings to the factory default.

**EXIT:** To exit the Graphic-Control submenu.

**VIDEO-CONTROL:**

Press the Adjustment control button to display the submenu.

**DISPLAY-MODE:**
To select one of following modes for display: PC, Video PIP (Picture-In- Picture), PC PIP and Video modes.
Press the Adjustment control button "-" to select mode and then press the Adjustment control button "+" to enter your selection.

**EXIT:** To exit the Video-Control submenu.

**◆ PC MODE 『24 PIN DVI PORT (OPTIONAL)』:**

When select to〝PC Mode〞and digital signal input.
Press the OSD menu button to display the menu.

**MONITOR-CONTROL:**

Press the Adjustment control button to display the submenu.

**PORT-SELECT:** To switch between analog and DVI port for PC signal input.

**EXIT:** To exits the Monitor-Control submenu.

**OSD-CONTROL:**

The OSD-Control lets you adjust the position of the OSD on the screen.

Press the Adjustment control button to display the submenu.

**OSD-H-POSITION:** To change the position of the OSD on a horizontal plane.

**OSD-V-POSITION:** To change the position of the OSD on a vertical plane.

**OSD-TIMER:** The OSD menu display time can be set at 5, 10, 15, 20, 25 or 30 seconds.

**EXIT:** To exit the OSD-Control submenu.

## MISC-CONTROL:

The Misc-Control menu option lets you select the OSD display language, adjust the audio volume setting and view system information.

Press the Adjustment control button to display the submenu.

**LANGUAGE:** The supported languages include German, English, French, Spanish, Italian and Japanese.

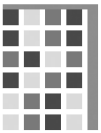
**AUDIO VOLUME:** To increase or decrease the volume of the LCD monitor's sound system.

**INFORMATION:** To indicate display mode timings and firmware version.

**EXIT:** To exit the Misc-Control submenu.

## GRAPHIC-CONTROL:

The Graphic-Control option lets you make adjustments that effect the contrast, brightness and color of the LCD monitor's display.



Press the Adjustment control button to display the submenu.

**CONTRAST:** To adjust the contrast level of the display screen.

**BRIGHTNESS:** To adjust the light level on the display screen.

**RESET:** To reset all of the Graphic-Control submenu settings to the factory default.

**EXIT:** To exit the Graphic-Control submenu.

**VIDEO-CONTROL:**

Press the Adjustment control button to display the submenu.

**DISPLAY-MODE:**
To select one of following modes for display: PC, Video PIP (Picture-In- Picture), PC PIP and Video modes.
Press the Adjustment control button "-" to select mode and then press the Adjustment control button "+" to enter your selection.

**EXIT:** To exit the Video-Control submenu.

**EXIT:**

Use the OSD Exit item to close the OSD menu.

The OSD will disappear by itself if left inactive.

◆ **PC PIP MODE (OPTIONAL) :**

OSD control function for PIP (Picture In Picture).

Press the Adjustment control button to display the submenu.

**DISPLAY-MODE:** To select one of following modes for display: PC, Video PIP (Picture-In- Picture), PC PIP and Video modes.
Press the Adjustment control button "-" to select mode and then press the Adjustment control button "+" to enter your selection.

**VIDEO-SOURCE:** To switch S-Video and AV mode for display.

**SATURATION:** To adjust the color level you prefer.

**HUE:** To adjust the hue level you prefer.

**SHARPNESS:** Press the adjustment button to optimize the sharpness for your specific application.

**RESET:** To reset all of the Video-Control submanu settings to the factory default.

**EXIT:** To exit the Video-Control submenu.

**PIP-CONTROL:**

Press the Adjustment control button to display the submenu.

**PIP-SIZE:** Adjust the PIP size.

**PIP-H-POSITION:** Adjust the PIP horizontal position.

**PIP-V-POSITION:** Adjust the PIP vertical position.

**EXIT:** To exit the PIP-Control submenu.

◆ **VIDEO MODE (Optional):**

**OSD-CONTROL:**

The OSD-Control lets you adjust the position of the OSD on the screen.

Press the Adjustment control button to display the submenu.

**OSD-H-POSITION:** To change the horizontal position of the OSD.

**OSD-V-POSITION:** To change the vertical position of the OSD on.

**OSD-TIMER:** The OSD menu display time can be set at 5, 10, 15, 20, 25 or 30 seconds.

**EXIT:** To exit the OSD-Control submenu.

## MISC-CONTROL:

The Misc-Control menu option lets you select the OSD display language, adjust the audio volume setting and view system information.

Press the Adjustment control button to display the submenu.

**LANGUAGE:** The supported languages include German, English, French, Spanish, Italian and Japanese.

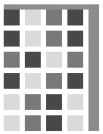
**AUDIO VOLUME:** To increase or decrease the volume of the LCD monitor's sound system.

**INFORMATION:** To indicate display mode timings and firmware version.

**EXIT:** To exit the Misc-Control submenu.

## GRAPHIC-CONTROL:

Let you make adjustments that effect the contrast and brightness of the displayed picture.



Press the Adjustment control button to display the submenu.

**CONTRAST:** To adjust the contrast level of the display screen.

**BRIGHTNESS:** To adjust the light level on the display screen.

**RESET:** To reset all of the Graphic-Control submenu settings to the factory default.

**EXIT:** To exit the Graphic-Control submenu.

## VIDEO-CONTROL:

Press the Adjustment control button to display the submenu.

**DISPLAY-MODE:** To select one of following modes for display: PC, Video PIP (Picture-In- Picture), PC PIP and Video modes.

Press the Adjustment control button "-" to select mode and then press the Adjustment control button "+" to enter your selection.

**VIDEO-SOURCE:** To switch S-Video and Video display.

**SATURATION:** To adjust the color level you prefer.

**HUE:** To adjust the hue level you prefer.

**SHARPNESS:** Press the adjustment button to optimize the sharpness for your specific application.

**RESET:** To reset all of the Video-Control submanu settings to the factory default.

**EXIT:** To exit the Video-Control submenu.

**EXIT:**

Use the OSD Exit item to close the OSD menu.

The OSD will disappear by itself if left inactive.

◆ **VIDEO PIP MODE:**

OSD control function for PIP ( Picture in Picture) — Same as that for PC modes— refer to page 6.

**PIP-CONTROL:**

Press the Adjustment control button to display the submenu.

**PIP-SIZE:** Adjust the PIP size.

**PIP-H-POSITION:** Adjust the PIP horizontal position.

**PIP-V-POSITION:** Adjust the PIP vertical position.

**EXIT:** To exit the PIP-Control submenu.

## Note:

**1. No Video**

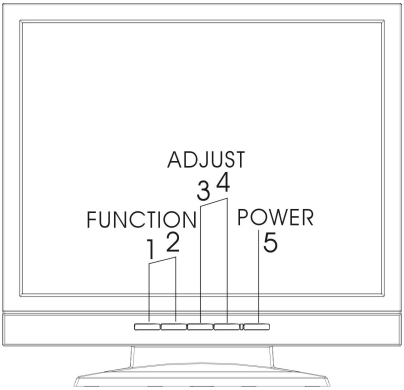
When the monitor is ON and there is no Video signal received, the following message will be displayed.

**2. Signal out of monitor's supported timing range (Please refer to Addendum)**

When the frequency range is out of the monitor's specifications, or the incoming resolution is higher than 1600 x 1200.

In this case, the video data will be turned off and a warning message "OVER RANGE" will be displayed.

## Hot-Key Buttons for Quick Adjustment of Monitor Settings. ( 〝AUTO-ADJUST〞 hot-key is effective only when analog input signal is selected for application)




**1. "Auto-adjust" hot-key button:**

Press button 2 to apply the monitor setting automatically. A small “AUTO-ADJUST” OSD is also displayed.

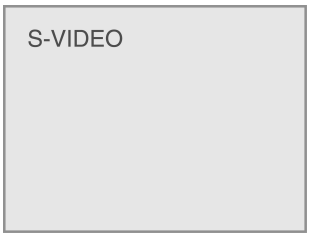
**2. "Adjust-volume" hot-key button:**

Press button 3 to allow you to adjust the audio volume directly. A small “AUDIO-VOLUME” OSD is also displayed.

**3.Video "Source" hot-key button:**

This Function is not working under PIP ( Picture in Picture) mode application.

Press button 4 to allow you to switch DVI, analog, video and S-Video signal input directly and the selected "input signal" is also displayed on the top left corner. If there is no video signal received, the "input signal" display will be disappeared and then the following message will be displayed.



* To close the small OSD windows, press the power button (button 5).

*APPENDIX A*

# Technical Information

## TFT LCD Monitor Specifications

| | | | |
|---|---|---|---|
| LCD Panel | 20.1" UXGA | | |
| Control Functions: Power | Software power switch with LED indicator | | |
| On-Screen Display (OSD) | Mode | Main Menu | Sub Menu |
| | PC MODE-ANALOG SIGNAL INPUT | AUTO ADJUST | |
| | | MONITOR-CONTROL | H-POSITION, V- POSITION, PHASE, CLOCK, GRAPHIC/TEXT, PORT-SELECT, RESET, EXIT |
| | | OSD-CONTROL | OSD-H-POSITION, OSD-V-POSITION, OSD-TIMER, EXIT |
| | | MISC-CONTROL | LANGUAGE, AUDIO VOLUME, INFORMATION, EXIT |
| | | GRAPHIC-CONTROL | CONTRAST, BRIGHTNESS, COLOR, COLOR R, G and B ADJUST, AUTO LEVEL, RESET, EXIT |
| | | VIDEO-CONTROL | DIPSPLAY-MODE, EXIT |
| | | EXIT | |
| | PC MODE -DIGITAL SIGNAL INPUT (OPTIONAL) | MONITOR-CONTROL | PORT-SELECT, EXIT |
| | | OSD-CONTROL | OSD-H-POSITION, OSD-V-POSITION, OSD-TIMER, EXIT |
| | | MISC-CONTROL | LANGUAGE, AUDIO VOLUME, INFORMATION, EXIT |
| | | GRAPHIC-CONTROL | CONTRAST, BRIGHTNESS, RESET, EXIT |
| | | VIDEO-CONTROL | DIPSPLAY-MODE, EXIT |
| | | EXIT | |

| | | | |
|---|---|---|---|
| | PC PIP MODE (OPTIONAL)- FOR PIP | VIDEO-CONTROL | DISPLAY-MODE, VIDEO-SOURCE, SATURATION, HUE, SHARPNESS, RESET, EXIT |
| | | PIP-CONTROL | PIP-SIZE, PIP-H-POSITION, PIP-V-POSITION, EXIT |
| | VIDEO MODE (OPTIONAL) | OSD-CONTROL | OSD-H-POSITION, OSD-V-POSITION, OSD-TIMER, EXIT |
| | | MISC-CONTROL | LANGUAGE, AUDIO VOLUME, INFORMATION, EXIT |
| | | GRAPHIC-CONTROL | CONTRAST, BRIGHTNESS, RESET, EXIT |
| | | VIDEO-CONTROL | DISPLAY-MODE, VIDEO-SOURCE, SATURATION, HUE, SHARPNESS, RESET, EXIT |
| | | EXIT | |
| | VIDEO PIP MODE (OPTIONAL) - FOR PIP | SAME AS THAT FOR PC MODES | |
| | | PIP-CONTROL | PIP-SIZE, PIP-H-POSITION, PIP-V-POSITION, EXIT |

| | |
|---|---|
| Display Area (mm) | 408.0 x 306.0 mm<br>(20.1 inch diagonal) |
| Display Colors | 16.7M |
| Video Input | VGA, DVI (Optional), Earphone, S-Video / AV (Optional) |
| Scanning Frequency<br>H/V, Hz<br>(Analog mode) | 24-82kHz<br>56-85 |
| Scanning Frequency<br>H/V, Hz<br>(Digital mode) | 31-80kHz<br>66-85 |
| Power Management | Meets VESA DPMS |
| Power Consumption<br>(ON mode/OFF mode) | 80W (max.)/5W (max.)<br>(Measured from AC inlet) |
| Dimensions W x H x D<br>mm Max. | 446 x 424 x 230 (With Standard Stand) |
| Net Weight (Kg) Approx. | 8.3 ± 1 (With Standard Stand) |
| Power Supply | Built-in Universal Power Supply |
| Options | Wall-mounted bracket, Wahas Stand<br>(VESA Compliance)<br>USB Hub (1 up and 2 down streams) |
| Environment | Operating Temperature: 10 to 40° C<br>Relative Humidity: 20% to 85% |
| Audio | Audio in x 1, 2.0W speaker x 2 with built-in amplifier |
| Regulatory | UL / cUL, TÜV-GS, CE, FCC B DoC<br>TÜV-Ergonomics, Energy Star Program, CCC |

## *APPENDIX B*

# Supported Timing

| Item | Standards | Resolution | Dot Clock (MHz) | Vertical Scanning Frequency (Hz) | Horizontal Scanning Frequency (kHz) | Sync Polarity or composite sync (H/V) | Operating Mode |
|---|---|---|---|---|---|---|---|
| 1 | NEC PC98 | 640x400 | 25.20 | 70.15 | 31.50 | -/- | A |
| 2 | NEC PC98 | 640x400 | 21.05 | 56.42 | 24.83 | -/- | A |
| 3 | MAC 13" mode | 640x480 | 30.24 | 66.67 | 35.00 | -/- | A/D |
| 4 | MAC 16" mode | 832x624 | 57.28 | 74.55 | 49.73 | -/- | A/D |
| 5 | MAC 17" mode | 1024x768 | 80.00 | 75.02 | 60.24 | -/- | A/D |
| 6 | VGA | 640x350 | 25.18 | 70.09 | 31.47 | +/- | A/D |
| 7 | VESA | 640x350 | 31.50 | 85.08 | 37.86 | +/- | A/D |
| 8 | VGA | 640x400 | 25.18 | 70.09 | 31.47 | -/+ | A |
| 9 | VESA | 640x400 | 31.50 | 85.08 | 37.86 | -/+ | A |
| 10 | VGA | 640x480 | 25.18 | 59.94 | 31.47 | -/- | A/D |
| 11 | VESA | 640x480 | 31.50 | 72.81 | 37.86 | -/- | A/D |
| 12 | VESA | 640x480 | 31.50 | 75.00 | 37.50 | -/- | A/D |
| 13 | VESA | 640x480 | 36.00 | 85.01 | 43.27 | -/- | A/D |
| 14 | VESA | 800x600 | 36.00 | 56.25 | 35.16 | +/+ | A/D/G |
| 15 | SVGA | 800x600 | 40.00 | 60.32 | 37.88 | +/+ | A/D/G |
| 16 | VESA | 800x600 | 50.00 | 72.19 | 48.08 | +/+ | A/D/G |
| 17 | VESA | 800x600 | 49.50 | 75.00 | 46.88 | +/+ | A/D/G |
| 18 | VESA | 800x600 | 56.25 | 85.06 | 53.67 | +/+ | A/D/G |
| 19 | VGA | 720x400 | 28.32 | 70.09 | 31.47 | -/+ | A |
| 20 | VESA | 720x400 | 35.50 | 85.04 | 37.93 | -/+ | A |
| 21 | XGA | 1024x768 | 65.00 | 60.00 | 48.36 | -/- | A/D |
| 22 | VESA | 1024x768 | 75.00 | 70.07 | 56.48 | -/- | A/D |
| 23 | VESA | 1024x768 | 78.75 | 75.03 | 60.02 | +/+ | A/D/G |
| 24 |  | 1024x768 | 71.64 | 66.13 | 53.96 | +/+ | A/D/G |
| 25 | VESA | 1152x864 | 108.0 | 75.00 | 67.50 | +/+ | A/D/G |
| 26 | VESA | 1152x864 | 121.5 | 85.00 | 77.09 | +/+ | A/D/G |
| 27 | VESA | 1024x768 | 94.50 | 85.00 | 68.68 | +/+ | A/D/G |

| Item | Standards | Resolution | Dot Clock (MHz) | Vertical Scanning Frequency (Hz) | Horizontal Scanning Frequency (kHz) | Sync Polarity or composite sync (H/V) | Operating Mode |
|---|---|---|---|---|---|---|---|
| 28 | VESA | 1280x960 | 108.0 | 60.0 | 60.0 | +/+ | A/D/G |
| 29 | VESA | 1280x1024 | 108.0 | 60.02 | 63.98 | +/+ | A/D/G |
| 30 | VESA | 1280x1024 | 127.0 | 69.85 | 74.88 | +/+ | A/D/G |
| 31 | VESA | 1280x1024 | 135.0 | 75.03 | 79.98 | +/+ | A/D/G |
| 32 | SUN | 1024x768 | 64.13 | 59.98 | 48.29 | H+V | A |
| 33 | SUN | 1024x768 | 74.25 | 70.04 | 56.59 | H+V | A |
| 34 | SUN | 1024x768 | 84.38 | 77.07 | 62.04 | H+V | A |
| 35 | SUN | 1280x1024 | 117.0 | 67.19 | 71.69 | H+V | A |
| 36 | SUN | 1280x1024 | 135.0 | 76.10 | 81.13 | H+V | A |
| 37 | VESA | 1600x1200 | 162.0 | 60.00 | 75.00 | +/+ | A/D |

* A=Analog Mode; D=Digital Mode; G=Sync on Green Mode
* Once a mode is optimized, there is no need to make any further adjustment as long as the VGA card remains unchanged.
* Specifications are subject to change without notice

*APPENDIX C*

# Troubleshooting

## Troubleshooting Procedures

This LCD monitor comes pre-adjusted with standard VGA timing. Due to output timing differences among various VGA cards, you may initially experience an unstable or unclear display when a new display mode or new VGA card is selected.

Before applying any of the following troubleshooting procedures, you should first apply the Auto Adjust option in the OSD menu.

### PROBLEM: Display is Unclear and Unstable

To stabilize and clarify your display, follow this procedure:

1. In Windows, enter the windows shut down screen.
2. Open the OSD and select the Clock function. Press one of the Adjustment Control buttons until the dark vertical bands disappear.
3. Select the Phase function and press one of the Adjustment Control buttons until horizontal dark and light lines appear. The number of lines increases as you press the button. Press the other Adjustment Control button until the lines disappear and you have a clear display.

### PROBLEM: There is no LCD Display

If there is no display on the LCD, refer to the following:

1. Make sure that the power indicator on the LCD monitor is lit, all connections are secure, and the system is running on the correct timing. Refer to the Addendum for information on timing.

2. Turn off the LCD monitor and then turn it back on again. Press the OSD Menu button (refer to Chapter 2) once and then press either Adjustment Control button several times. If there is still no display, press the other Adjustment Control button several times.

3. If step 2 doesn't work, connect your PC system to another external CRT. If your PC system functions properly with a CRT monitor but it does not function with the LCD monitor, and the LCD monitor's power LED is blinking, the output timing of the PC's VGA card may be out of the LCD's synchronous range. Change to one of the alternate modes, listed in the Addendum, or replace the VGA card and repeat steps 1 and 2.

4. If the power LED is not lit, check that the AC power connector is securely connected. Verify that the AC adapter LED is lit. If the AC adapter LED is not lit, please contact your dealer for assistance.

## PROBLEM: There is no Video Signal

1. Make sure the connected video device is on and connected correctly.

2. Make sure the video source is selected to the connected video device correctly.